

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

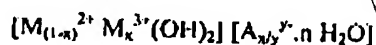
1. (Currently Amended) A method for preparing a composition for coating, wherein a layered, inorganic filler, which filler is a natural or synthetic layered double hydroxide, is subjected to an ion exchange with a modifier, which modifier comprises at least two ionic groups, which groups are separated from each other by at least four atoms, and which modifier comprises at least one anionic group, and wherein the modified filler, together with a polymer, is dispersed in a diluent.
2. (Original) A method according to claim 1, wherein the layered, inorganic filler is a natural or synthetic clay with a cation exchange capacity of 30-200 milliequivalents per 100 grams.

3. Cancelled

4. (Original) A method according to claim 3, wherein the cationic group is an ammonium, phosphonium or sulfonium group.

5. (Original) A method according to claim 1, wherein the layered inorganic filler is a natural or synthetic layered double hydroxide.

6. (Original) A method according to claim 5, wherein the layered double hydroxide satisfies the formula (I):



wherein M^{2+} is a bivalent cation, M^{3+} is a trivalent cation, x is a number between 0.15 and 0.5, y is 1 or 2, n is a number from 1 to 10, and A is an anion selected from the group consisting of Cl^- , Br^- , NO_3^- , SO_4^{2-} and CO_3^{2-} .

7. (Previously Presented) A method according to claim 5, wherein the modifier comprises at least one anionic group.

8. (Original) A method according to claim 7, wherein the anionic group is a carbonate, sulfonate, or phosphonate group.

6 9. (Previously Presented) A method according to claim 1, wherein the modifier comprises an aromatic group.

7 10. (Previously Presented) A method according to claim 1, wherein the modifier comprises an organic dye.

8 11. (Previously Presented) A method according to claim 1, wherein the diluent is polar.

9 12. (Currently Amended) A method according to claim 1, wherein the polymer is selected from the group consisting of polyurethanes; polyacrylates; polymethacrylates; polyesters; polyethers; polyolefins; polystyrene; polyvinyl chloride; alkyds; nitrocellulose; epoxides; phenolic resins; amino resins; silicones; polysiloxanes; organic polymeric-inorganic ceramic hybrid materials; and combinations thereof.

10 13. (Previously Presented) A method according to claim 1, wherein an initiator is dispersed into the diluent.

11 14. (Currently Amended) A The coating composition for coating prepared by the method of claim 1.

12 15. (Currently Amended) A composition for coating comprising a polymer and a modified layered inorganic filler dispersed in a diluent, wherein the filler, which filler is, natural or synthetic layered double hydroxide, is modified by ion exchange with a modifier which comprises at least two ionic groups, which groups are separated from each other by at least four atoms and which modifier comprises at least one anionic group.

16. (Cancelled)

13 17. (Previously Presented) A coating formed upon curing of an applied composition according to claim 14.

14 18. (Currently Amended) A layered inorganic filler, which filler is a natural or synthetic layered double hydroxide, modified by ion exchange with a modifier which comprises at least two ionic groups, which groups are separated from each other by at least four atoms and which modifier comprises at least one anionic group.

15 19. (Previously Presented) A coating comprising the composition of claim 15.

- 16-20. (New) A method of preparing a coating composition, wherein a layered inorganic filler is subjected to an ion exchange with a modifier, said modifier comprising at least two ionic groups, at least one of which is an anionic group and at least one of which is a cationic group, said at least two ionic groups being separated from each other by at least four atoms, and wherein the modified filler, together with a polymer, is dispersed in a diluent.



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CLAIMS

intended
use

1. A method for preparing a composition for a coating, wherein a layered, inorganic filler is subjected to an ion exchange with a modifier, which modifier comprises at least two ionic groups, which groups are separated from each other by at least four atoms, and wherein the modified filler, together with a polymer, is dispersed in a diluent.
2. A method according to claim 1, wherein the layered, inorganic filler is a natural or synthetic clay with a cation exchange capacity of 30-200 milliequivalents per 100 grams.
3. A method according to claim 2, wherein the modifier comprises at least one cationic group.
4. A method according to claim 3, wherein the cationic group is an ammonium, phosphonium or sulfonium group.
5. A method according to claim 1, wherein the layered inorganic filler is a natural or synthetic layered double hydroxide.
6. A method according to claim 5, wherein the layered double hydroxide satisfies the formula (I):
- $$[M_{(1-x)}^{2+} M_x^{3+} (OH)_2] [A_{x/y} \cdot n H_2O] \quad (I),$$
- wherein M^{2+} is a bivalent cation, M^{3+} is a trivalent cation, x is a number between 0.15 and 0.5, y is 1 or 2, n is a number from 1 to 10, and A is an anion selected from the group consisting of Cl^- , Br^- , NO_3^- , SO_4^{2-} and CO_3^{2-} .
7. A method according to claim 5 or 6, wherein the modifier comprises at least one anionic group.
8. A method according to claim 7, wherein the anionic group is a carbonate, sulfonate, or phosphonate group.
9. A method according to any one of the preceding claims, wherein the modifier comprises an aromatic group.
10. A method according to any one of the preceding claims, wherein the modifier is an organic dye.

Sub A1

Sub A2

claim 1

claim 1

11. ^{claim 1} A method according to ~~any one of the preceding claims~~, wherein the diluent is polar.

12. ^{claim 1} A method according to ~~any one of the preceding claims~~, wherein the polymer is selected from the group of polyurethanes; polyacrylates; polymethacrylates; polyesters; polyethers; polyolefins; polystyrene; polyvinyl chloride; alkyds; nitrocellulose; epoxides; phenol resins; amino resins; silicones; polysiloxanes, organic-inorganic hybrid materials; and combinations thereof

13. ^{claim 1} A method according to ~~any one of the preceding claims~~, wherein further an initiator is dispersed in the diluent.

14. A composition for coating obtainable according to ~~any one of the preceding claims~~. ^{claim 1}

15. ^{claim 1} A composition for coating comprising a polymer and a modified layered inorganic filler dispersed in a diluent, wherein the filler is modified by ion exchange with a modifier which comprises at least two ionic groups, which groups are separated from each other by at least four atoms.

16. Use of ~~a~~ composition according to claim 14 or 15 for forming a coating.

17. ^{claim 1} A coating formed upon curing of an applied composition according to claim 14 or 15.

18. A layered inorganic filler modified by ion exchange with a modifier which comprises at least two ionic groups, which groups are separated from each other by at least four atoms.

add A 4 19 ^{comp} coating comp of claim 15